

April 18, 2002

INTEREST
SONY CORPORATION 7-35, KITASHINAGAWA 6-CHOME,
SHINAGAWA-KU TOKYO 141, JAPAN ; OZAWA,
KAZUNORI : 19970531; TONE, NOBUHIRO :
19970527; ASAI, MASAHIRO : 19970527

5870710

1/1 PLUSPAT - (C) QUESTEL-ORBIT
PN - US5870710 A 19990209 [US5870710]
TI - (A) Audio transmission, recording and reproducing system
PA - (A) SONY CORP (JP)
IN - (A) ASAII MASAHIRO (JP); TONE NOBUHIRO (JP); OZAWA KAZUNORI (JP)
AP - US78595897 19970122 [1997US-0785958]
PR - JP3000496 19960124 [1996JP-0030004]
IC - (A) H04M-015/00
EC - G06F-003/16
- G11B-020/00C
- G11B-020/00P
- G11B-020/10C
- G11B-031/00
- G11B-031/00B
- G11B-031/02
- H04H-001/10D
PCL - ORIGINAL (O) : 704500000
DT - Corresponding document
CT - US5086475; US5491774; US5544228; US5619570; EP0467208 A1; EP0649121
A2; EP0763939 A2; DE3820835; JP6-131371; WO9316550; WO9429852;
WO9530212
- S. Putz, "Interactive Information Services Using World-Wide Web
Hypertext," Computer Networks and ISDN Systems, vol. 27, No. 2, Nov.
1994, pp. 273-280.

DOS International, Die PC-Zeitschrift, "Mobiles Computing," Feb. 1995,
DMV Verlag, pp. 65-70.

STG - (A) United States patent
AB - An audio recording and reproducing apparatus includes a controller for
controlling the entire behaviors, hard disc for write and read of
audio data, audio compression/expansion circuit for expanding
compressed audio data, and external I/O port. The audio recording and
reproducing apparatus is connected to a network service center to
obtain desired music data from storage of the network service center
and to store it in the hard disc.

1/1 LGST - (C) LEGSTAT
PN - US 5870710 [US5870710]
AP - US 785958/97 19970122 [1997US-0785958]
DT - US-P
ACT - 19970122 US/AE-A
APPLICATION DATA (PATENT)
{US 785958/97 19970122 [1997US-0785958]}
- 19970618 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
SONY CORPORATION 7-35, KITASHINAGAWA 6-CHOME, SHINAGAWA-KU TOKYO 141,
JAPAN * OZAWA, KAZUNORI : 19970531; TONE, NOBUHIRO : 19970527; ASAII,
MASAHIRO : 19970527
- 19990209 US/A
PATENT
- 20010313 US/RF
REISSUE APPLICATION FILED
20010123
UP - 2001-12

1/1 CRXX - (C) CLAIMS/RRX
PN - 5,870,710 A 19990209 [US5870710]
PA - Sony Corp JP
ACT - 20010123 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010313

5870710

REISSUE REQUEST NUMBER: 09/767811
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2741

Reissue Patent Number:

1/1 PAST - (C) PAST
AN - 200111-001332
PN - 5870710 A [US5870710]
OG - 2001-03-13
ACT - REISSUE APPLICATION FILED

5,870,710

<=2> GET 1st DRAWING SHEET OF 7

Feb. 9, 1999

Audio transmission, recording and reproducing system

REISSUE: Reissue Application filed Jan. 23, 2000 (O.G. Mar. 13, 2001) Ex. Gp.: 2741; Re. S.N. 09/767,811

CORE TERMS: audio, headphone, stereo, portable, music, digital, recording, reproducing, disc, network...

LEXIS-NEXIS
Library: PATENT
File: ALL

5,870,710 OR 5870710

LEXIS-NEXIS
Library: PATENT
File: CASES

Your search request has found no CASES.

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What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5,870,710 OR 5870710

LEXIS-NEXIS
Library: PATENT
File: JNLS

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5,870,710 OR 5870710

LEXIS-NEXIS
Library: NEWS
File: CURNWS

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To enter a new search request, type it and press the ENTER key.

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For further explanation, press the H key (for HELP) and then the ENTER key.

6/39/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat
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13756223

Basic Patent (No,Kind,Date): EP 786774 A2 19970730 <No. of Patents: 008>

Patent Family:

Patent No	Kind	Date	Applc No	Kind	Date
EP 786774	A2	19970730	EP 97101119	A	19970124 (BASIC)
EP 1124178	A2	20010816	EP 2001111430	A	19970124
EP 1124229	A2	20010816	EP 2001111429	A	19970124
EP 786774	A3	19980401	EP 97101119	A	19970124
EP 1124178	A3	20020116	EP 2001111430	A	19970124
EP 1124229	A3	20020116	EP 2001111429	A	19970124
JP 9265731	A2	19971007	JP 975845	A	19970116
US 5870710	A	19990209	US 785958	A	19970122

Priority Data (No,Kind,Date):

JP 9630004 A 19960124
EP 97101119 A3 19970124
JP 975845 A 19970116

PATENT FAMILY:

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 786774 A2 19970730

AUDIO REPRODUCING APPARATUS AND METHOD, AUDIO RECORDING APPARATUS AND METHOD, AUDIO RECORDING AND REPRODUCING SYSTEM, AUDIO DATA TRANSMISSION METHOD, INFORMATION RECEIVING APPARATUS, AND RECORDING MEDIUM (English; French; German)

Patent Assignee: SONY CORP (JP)

Author (Inventor): OZAWA KAZUNORI (JP); TONE NOBUHIRO (JP); ASAI MASAHIRO (JP)

Priority (No,Kind,Date): JP 9630004 A 19960124

Applc (No,Kind,Date): EP 97101119 A 19970124

Designated States: (National) DE; FR; GB

IPC: * G11B-020/00; G11B-031/00

Derwent WPI Acc No: * G 97-375118; G 97-375118

Language of Document: English

Patent (No,Kind,Date): EP 1124178 A2 20010816

AUDIO RECORDING/REPRODUCING APPARATUS WITH CARD TYPE STORAGE MEANS (English; French; German)

Patent Assignee: SONY CORP (JP)

Author (Inventor): OZAWA KAZUNORI (JP); TONE NOBUHIRO (JP); ASAI MASAHIRO (JP)

Priority (No,Kind,Date): EP 97101119 A3 19970124; JP 9630004 A 19960124

Applc (No,Kind,Date): EP 2001111430 A 19970124

Designated States: (National) DE; FR; GB

IPC: * G06F-003/16; H04H-001/02; G11B-020/00; G11B-020/10; G11B-031/00

Derwent WPI Acc No: * G 97-375118

Language of Document: English

Patent (No,Kind,Date): EP 1124229 A2 20010816

AUDIO RECORDING AND REPRODUCING SYSTEM (English; French; German)

Patent Assignee: SONY CORP (JP)

Author (Inventor): OZAWA KAZUNORI (JP); TONE NOBUHIRO (JP); ASAI MASAHIRO (JP)

Priority (No,Kind,Date): EP 97101119 A3 19970124; JP 9630004 A 19960124

Applc (No,Kind,Date): EP 2001111429 A 19970124

Designated States: (National) DE; FR; GB

IPC: * G11B-020/00; G11B-031/00; H04H-001/02; G06F-003/16; G11B-020/10

Derwent WPI Acc No: * G 97-375118

Language of Document: English

Patent (No,Kind,Date): EP 786774 A3 19980401

AUDIO REPRODUCING APPARATUS AND METHOD, AUDIO RECORDING APPARATUS AND METHOD, AUDIO RECORDING AND REPRODUCING SYSTEM, AUDIO DATA

April 18, 2002

TRANSMISSION METHOD, INFORMATION RECEIVING APPARATUS, AND RECORDING MEDIUM (English; French; German)
Patent Assignee: SONY CORP (JP)
Author (Inventor): OZAWA KAZUNORI (JP); TONE NOBUHIRO (JP); ASAHI MASAHIRO (JP)
Priority (No,Kind,Date): JP 9630004 A 19960124
Applc (No,Kind,Date): EP 97101119 A 19970124
Designated States: (National) DE; FR; GB
IPC: * G11B-020/00; G11B-031/00
Derwent WPI Acc No: * G 97-375118
Language of Document: English
Patent (No,Kind,Date): EP 1124178 A3 20020116
AUDIO RECORDING/REPRODUCING APPARATUS WITH CARD TYPE STORAGE MEANS (English; French; German)
Patent Assignee: SONY CORP (JP)
Author (Inventor): OZAWA KAZUNORI (JP); TONE NOBUHIRO (JP); ASAHI MASAHIRO (JP)
Priority (No,Kind,Date): EP 97101119 A3 19970124; JP 9630004 A 19960124
Applc (No,Kind,Date): EP 2001111430 A 19970124
Designated States: (National) DE; FR; GB
IPC: * H04M-011/08; G06F-017/60; G07F-007/02; G11B-031/00; G06F-003/16 ; H04H-001/02; G11B-020/00; G11B-020/10
Derwent WPI Acc No: * G 97-375118
Language of Document: English
Patent (No,Kind,Date): EP 1124229 A3 20020116
AUDIO RECORDING AND REPRODUCING SYSTEM (English; French; German)
Patent Assignee: SONY CORP (JP)
Author (Inventor): OZAWA KAZUNORI (JP); TONE NOBUHIRO (JP); ASAHI MASAHIRO (JP)
Priority (No,Kind,Date): EP 97101119 A3 19970124; JP 9630004 A 19960124
Applc (No,Kind,Date): EP 2001111429 A 19970124
Designated States: (National) DE; FR; GB
IPC: * H04M-011/08; G06F-017/60; G07F-007/02; G06F-003/16; G11B-031/00 ; G11B-020/00; H04H-001/02; G11B-020/10
Derwent WPI Acc No: * G 97-375118
Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):
EP 786774 P 19960124 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))
JP 9630004 A 19960124
EP 786774 P 19970124 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 97101119 A 19970124
EP 786774 P 19970730 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
DE FR GB
EP 786774 P 19970730 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 786774 P 19980401 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
DE FR GB
EP 786774 P 19980401 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS)

April 18, 2002

(ART. 93))

EP 786774 P 19980930 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
980803

EP 786774 P 19990127 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
981209

EP 786774 P 20010704 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2001111429 A 20010510

EP 786774 P 20010704 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2001111430 A 20010510

EP 786774 P 20010816 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1124178 P

EP 786774 P 20010816 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1124229 P

EP 1124178 P 19960124 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9630004 A 19960124

EP 1124178 P 19970124 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 97101119 A3 19970124

EP 1124178 P 19970124 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2001111430 A 19970124

EP 1124178 P 20010816 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 786774 P

EP 1124178 P 20010816 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE FR GB

EP 1124178 P 20010816 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1124178 P 20020109 EP RIC1 CLASSIFICATION (CORRECTION)
(KLASSIFIKATION (KORR.))
7H 04M 11/08 A, 7G 06F 17/60 B, 7G 07F 7/02
B, 7G 11B 31/00 B, 7G 06F 3/16 B, 7H 04H 1/02
B, 7G 11B 20/00 B, 7G 11B 20/10 B

EP 1124178 P 20020116 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE FR GB

EP 1124178 P 20020116 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1124229 P 19960124 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9630004 A 19960124

EP 1124229 P 19970124 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 97101119 A3 19970124

EP 1124229 P 19970124 EP AE EP-APPLICATION

April 18, 2002

(EUROPÄISCHE ANMELDUNG)
EP 2001111429 A 19970124
EP 1124229 P 20010816 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 786774 P
EP 1124229 P 20010816 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
DE FR GB
EP 1124229 P 20010816 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1124229 P 20020109 EP RIC1 CLASSIFICATION (CORRECTION)
(KLASSIFIKATION (KORR.))
7H 04M 11/08 A, 7G 06F 17/60 B, 7G 07F 7/02
B, 7G 06F 3/16 B, 7G 11B 31/00 B, 7G 11B
20/00 B, 7H 04H 1/02 B, 7G 11B 20/10 B
EP 1124229 P 20020116 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
DE FR GB
EP 1124229 P 20020116 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

JAPAN (JP)

Patent (No,Kind,Date): JP 9265731 A2 19971007
SPEECH REPRODUCING DEVICE AND ITS METHOD, SPEECH RECORDING DEVICE AND
ITS METHOD, SPEECH RECORDING AND REPRODUCING SYSTEM, SPEECH DATA
TRANSFER METHOD, INFORMATION RECEIVING DEVICE, AND REPRODUCING DEVICE
(English)
Patent Assignee: SONY CORP
Author (Inventor): OZAWA KAZUNORI; TONE NOBUHIRO; ASAI MASAHIRO
Priority (No,Kind,Date): JP 975845 A 19970116; JP 9630004 A
19960124
Applic (No,Kind,Date): JP 975845 A 19970116
IPC: * G11B-020/10; G11B-020/00
Derwent WPI Acc No: * G 97-375118
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5870710 A 19990209
AUDIO TRANSMISSION, RECORDING AND REPRODUCING SYSTEM (English)
Patent Assignee: SONY CORP (JP)
Author (Inventor): OZAWA KAZUNORI (JP); TONE NOBUHIRO (JP); ASAI
MASAHIRO (JP)
Priority (No,Kind,Date): JP 9630004 A 19960124
Applic (No,Kind,Date): US 785958 A 19970122
National Class: * 704500000
IPC: * H04M-015/00
Derwent WPI Acc No: * G 97-375118
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):
US 5870710 P 19960124 US AA PRIORITY (PATENT)
JP 9630004 A 19960124
US 5870710 P 19970122 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 785958 A 19970122
US 5870710 P 19970618 US AS02 ASSIGNMENT OF ASSIGNOR'S